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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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May 29, 1992

Mr. Bob McLeod  
U.S. Department of Energy  
P.O. Box 550  
Richland, WA 99352

Dear Mr. McLeod:

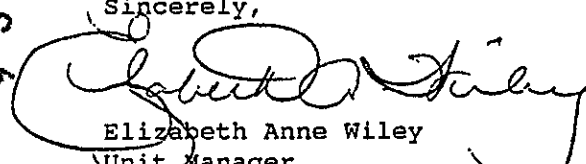
Re: Deficiencies Found at 2101-M Pond

This correspondence is to formally transmit the deficiencies which were found in the 2101-M Pond data package, submitted by US Testing and Martin Marietta Laboratories.

It is requested that the missing data be sent to Ecology as soon as possible, so that we may be able to expedite the process of resolving the issues at 2101-M Pond.

Thank you for your assistance in this matter. If you have any questions please call me at (206) 493-9426.

Sincerely,

  
Elizabeth Anne Wiley  
Unit Manager  
Nuclear & Mixed Waste Management

BA:jw  
Enclosures

cc: Paul Day, USEPA  
Steve Wisness, USDOE  
Dave Jansen, Ecology  
Dave Nylander, Ecology



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TABLE 1. SUPPORT DOCUMENTATION FOR SEMIVOLATILE  
ACID/BASE/NEUTRAL  
AND VOLATILE ORGANIC COMPOUND ANALYSES

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- |   |                                                                                                                                                                                   |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - | Case Narrative                                                                                                                                                                    |
| - | CLP-Equivalent Forms V (Tuning criteria data for DFTPP and BFB) and all original data                                                                                             |
| - | CLP-Equivalent Forms VI and VII (Initial and continuing calibration summaries) and all original data (quantification reports, spectral searches, reconstructed ion chromatograms) |
| - | CLP-Equivalent Forms IV (Method blank summaries)                                                                                                                                  |
| - | CLP-Equivalent Forms III (Matrix spike summaries) and all original data <sup>a</sup>                                                                                              |
| - | CLP-Equivalent Forms II (Surrogate compound recovery summaries) <sup>b</sup>                                                                                                      |
| - | CLP-Equivalent Forms VIII (Internal standards summaries)                                                                                                                          |
| - | CLP-Equivalent Forms I and I-TIC (Sample results) <sup>c</sup> , including all original data (quantification reports, spectral searches, reconstructed ion chromatograms)         |
| - | All laboratory bench sheets (i.e. sample extraction logs, sample analysis/instrument logs, standards preparation logs, and handwritten calculations)                              |
- 

<sup>a</sup> Matrix spike results were submitted.

<sup>b</sup> Surrogate compound recovery summaries were submitted.

<sup>c</sup> All CLP-Equivalent Forms I and I-TICs have been submitted.

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TABLE 2. SUPPORT DOCUMENTATION FOR PESTICIDE AND POLYCHLORINATED BIPHENYL ANALYSES

- 
- Case Narrative
  - Evaluation check summaries for linearity, 4,4'-DDT/Endrin breakdown, and DBC retention time shifts
  - CLP-Equivalent Forms VII and IX (Initial and continuing calibration retention time window summaries for all pesticide and PCB standards) and all original data (chromatograms and integration reports)
  - Analytical sequence summaries
  - CLP-Equivalent Forms IV (Method blank summaries)
  - CLP-Equivalent Forms III (Matrix spike summaries) and all original data<sup>a</sup>
  - CLP-Equivalent Forms II (DBC surrogate compound recovery summaries)
  - CLP-Equivalent Forms I (Sample results)<sup>b</sup> including all original data (chromatograms and integration reports)
  - All laboratory bench sheets (i.e. sample extraction logs, sample analysis/instrument logs, standards preparation logs, and handwritten calculations)
- 

<sup>a</sup> Matrix spike results were submitted, however, all original data are absent.

<sup>b</sup> All CLP-Equivalent Forms I have been submitted, however, all original data are absent.

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TABLE 3. SUPPORT DOCUMENTATION FOR CHLORINATED  
HERBICIDE AND ORGANOPHOSPHORUS PESTICIDE ANALYSES

-	Case Narrative
-	CLP-Equivalent Forms VI and VII (Initial and continuing calibration summaries for standard analyses) and all original data (chromatograms and integration reports)
-	CLP-Equivalent Forms IV (Method blank summaries)
-	CLP-Equivalent Forms III (Matrix spike summaries) and all original data <sup>a</sup>
-	CLP-Equivalent Forms II (Surrogate compound recovery summaries)
-	CLP-Equivalent Forms I and I-TIC (Sample results) <sup>b</sup> , including all original data (chromatograms and integration reports)
-	All laboratory bench sheets (i.e., sample extraction logs, sample analysis/instrument logs, standards preparation logs, and handwritten calculations)

<sup>a</sup> Matrix spike results were submitted, however, all original data are absent.

<sup>b</sup> All CLP-Equivalent Forms I have been submitted, however, all original data are absent.

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TABLE 4. SUPPORT DOCUMENTATION  
FOR ICP AND GFAA METALS ANALYSES

- 
- Case Narrative
  - CLP-Equivalent Forms I (Sample results summaries)\* and all instrument printouts
  - CLP-Equivalent Forms II (Initial and continuing calibration summaries and CRDL standard summaries) and all instrument printouts
  - CLP-Equivalent Forms III (Blank summaries) and all instrument printouts
  - CLP-Equivalent Forms IV (ICP interference check summaries) and all instrument printouts
  - CLP-Equivalent Forms V (Spike sample recovery summaries and post digestion spike recovery summaries) and all instrument printouts
  - CLP-Equivalent Forms VI (Duplicate summaries) and all instrument printouts
  - CLP-Equivalent Forms VII (Laboratory control sample summaries) and all instrument printouts
  - CLP-Equivalent Forms VIII (Standard addition results) and all instrument printouts
  - CLP-Equivalent Forms IX (ICP serial dilution summaries) and all instrument printouts
  - CLP-Equivalent Forms X (Instrument detection limit summaries -quarterly)
  - CLP-Equivalent Forms XI (ICP interelement correction factor summaries)
  - CLP-Equivalent Forms XII (ICP linear range summaries)
  - CLP-Equivalent Forms XIII (Preparation Logs)
  - All laboratory bench sheets (i.e. sample extraction logs, sample analysis/instrument logs, standards preparation logs, and handwritten calculations)
- 

\* All CLP-Equivalent Forms I have been submitted, however, all original data is absent.

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TABLE 5. SUPPORT DOCUMENTATION  
FOR ANIONS, pH, AND CYANIDE ANALYSES

- 
- Case Narrative
  - CLP-Equivalent Forms I (Sample results summaries)\* and all instrument printouts
  - CLP-Equivalent Forms II (Initial and continuing calibration summaries) and all instrument printouts
  - CLP-Equivalent Forms III (Blank summaries) and all instrument printouts
  - CLP-Equivalent Forms V (Spike sample recovery summaries) and all instrument printouts
  - CLP-Equivalent Forms VI (Duplicate summaries) and all instrument printouts
  - CLP-Equivalent Forms X (Instrument detection limit summaries - quarterly)
  - CLP-Equivalent Forms XIII (Preparation logs)
  - All ion-chromatograms and standard absorbance printouts for all anion analyses
  - All laboratory bench sheets (i.e. sample extraction logs, sample analysis/instrument logs, standards preparation logs, and handwritten calculations)
- 

\* All CLP-Equivalent Forms I have been submitted, however, all original data is absent.

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# CORRESPONDENCE DISTRIBUTION COVERSHEET

Author Addressee Correspondence No.  
 E. A. Wiley, Ecology R. G. McLeod, RL Incoming:9205510  
 Subject: DEFICIENCIES FOUND AT 2101-M POND

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